What is claimed is:

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1. An electrooptical converter comprising sequentially located on the optical axis: at least one optical lighter, a transparent support or M transparent supports, each in the form of at least one plane-parallel plate or at least one prism of total internal reflection, at least one line modulator, at least one visualizer, a perception device, and at least one control device, wherein each line modulator comprises a transparent electroconducting layer applied to the transparent support, the electroconducting layer being covered with a transparent gel-like layer, and a system of i parallel ribbon control electrodes and ground electrodes, arranged in one plane on a second support corresponding to each of line modulators and located with a gap above the transparent gel-like layer and electrically connected with the corresponding control device, wherein each transparent support together with the corresponding at least one modulator forms a line element; while the optical lighter consists of a lengthy light source and a lighting convertible lens sequentially located on the optical axis, and the visualizer includes a Fourierobjective and a visualizing diaphragm sequentially located on the optical axis; while the light source is pulse or continuous, and the frequency of light pulse recurrence is equal to the line frequency of the image; the ribbon control electrodes are electrically connected to the periodic structure of control teeth, and the ground electrodes are electrically connected to the periodic structure of ground teeth, for each line pixel the teeth together with the corresponding electrodes look like two conducting combs isolated from each other, while the combs' teeth are located in parallel to the lengthy light source, while the location period of the pairs of the control teeth and ground teeth λ_{teeth} is calculated from the relation: $\lambda_{\text{teeth}} \leq \sqrt{2} \lambda_{\text{light}} / \alpha_{\text{div}}$, wherein λ_{light} is a wavelength of the lengthy light source and α_{div} (in radians) is a divergence of the radiation of the light source in a direction perpendicular to the combs'

teeth, and the gel-like layer is made on the base of polyvinylsiloxane $(CH_2=CH)_3SiO[(CH_3)_2SiO]_mSi(CH=CH_2)_3$ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes, oligohydridesiloxane $(CH_3)_3SiO\{[(CH_3)_2SiO][CH_3SiO(H)]\}Si(CH_3)_3$ with hydride groups content of 10-15% and viscosity of 50-100 centistokes.

2. The device according to claim 1, wherein at least one cylindrical objective which generatrix is parallel to the combs' teeth is inserted into the lighting convertible lens.

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- 3. The device according to claim 1, wherein the visualizer contains at least one cylindrical objective which generatrix is parallel to the combs' teeth.
- 4. The device according to claim 1, wherein the perception device contains a projection lens, a system of mirrors, a means for vertical scanning of a line, a screen, a photosensor of a scanner, while the toroidal-cylindrical objective is inserted into the projection lens.
- 5. The device according to claim 1, wherein the control device consists of the synchronization device which output is connected to the block of sources of voltage signals, and its input is connected to the photosensor of the scanner; the base voltage source which is located between the transparent electroconducting layer and the ground electrodes; the block of sources of voltage signals connected to i inputs of the control electrodes of the line modulator; a bias voltage source connected via electric source of corrections of the time front of relief formation by one output to the like outputs of the block of sources of voltage signals, and by the other output to the ground electrodes; while the synchronization device has two additional outputs, one of which is connected to the light source, and the other to the means of scanning of the line, and also has an additional input from the block of sources of voltage signals, while the electric source of corrections of the time front of relief formation is inserted sequentially with the bias voltage source and connected to the synchronization device, which at the moment of powering up

the pulse signal applies an additional pulsing bias voltage of the time determined form, and a commutator switching polarity of a signal on the ribbon control and ground electrodes according to the given time-space rule is connected to the block of sources of voltage signals and to the synchronization device.

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- 6. The device according to claim 1, wherein the system of the parallel ribbon control and ground electrodes is applied to the second support and is covered with a thin dielectric layer of a uniform thickness to which the combs' control teeth and ground teeth parallel to the lengthy light source are applied perpendicularly to the ribbon control and ground electrodes, and the control teeth are electrically connected by the contacts with the corresponding ribbon control electrodes, and the ground teeth are electrically connected by the contacts with the corresponding ribbon control electrodes, wherein the buttends of the teeth of one pixel are located opposite to butt-ends of the teeth of the other pixel with a gap, the teeth are covered with a thin protective dielectric layer with adjustable electric parameters.
- 7. The device according to claim 1, wherein the system of the parallel ribbon control and ground electrodes is applied to the second support and is covered with a thin dielectric layer of a uniform thickness to which the combs' ground teeth are applied, the ground teeth are electrically connected by the contacts with the corresponding ribbon ground electrodes and are covered with the second thin protective dielectric layer of a uniform thickness, to which the combs' control teeth are applied, the control teeth are electrically connected by the contacts with the corresponding ribbon control electrodes, while in each pixel the butt-ends of the teeth are located opposite to spaces between the butt-ends of the neighbor pixel.
- 8. The device according to claim 1, wherein the perception device contains a projection lens, a system of mirrors, a means for vertical scanning of a line; the device contains the red, green and blue optical lighters and three

control devices, corresponding to red, green and blue optical lighters and connected electrically by the outputs with the color commutator connected by one output to each line modulator, by three outputs - to three optical lighters sequentially switched on by it, and by the fifth output - to the means of scanning, the transparent support in made in the form of at least one triangular prism of total internal reflection, each line element contains three line modulators to be switched on simultaneously, each modulator has the period of order of the pairs of control teeth and ground teeth λ_{teeth} corresponding to each of three colors, three optical lighters are arranged in parallel to each other, and the light flux of the corresponding color falls perpendicularly to the corresponding line modulator, while the light flux with the greater wavelength is directed to the line modulator, located on a greater distance from the Fourier-objective, while the opaque visualizing diaphragm blocks or transmits radiation of the zero order of all three colors.

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- 9. The device according to claim 1, wherein the device contains red, green and blue optical lighters and three control devices, corresponding to red, green and blue optical lighters and connected electrically by the outputs with the color commutator connected by one output to each line modulator, by three outputs to three optical lighters sequentially switched on by it, and by the fifth output to the means of scanning, each line element contains three line modulators with three various spatial periods of order of pairs of control teeth and ground teeth λ_R , λ_G , λ_B corresponding to the waves of light of red, the green and the blue optical lighters, while all three line modulators switched on sequentially in time are located on the optical axis in such a way that the line modulator with the greater wavelength is located on a greater distance from the Fourier-objective.
- 10. The device according to claim 1, wherein each transparent support is made in the form of N triangular prisms with a rectangular triangle as the basis sequentially optically conjugated by the equal leg lateral sides, while the

-62-

line modulators are applied to all or to some of hypotenuse lateral sides; while one leg lateral side of the first prism has a free surface directed to at least one optical lighter, and one leg lateral side of the last prism has a free surface directed to at least one visualizer, while these sides are located perpendicularly to the optical axis, and the light from the optical lighter falls on all hypotenuse sides at the angle bigger than the angle of total internal reflection, and the line modulators have equal or different spatial frequencies of the combs' teeth.

- 11. The device according to claim 10, wherein the device comprises M line elements, arranged in the form of a linear matrix, the transparent support of each of the line elements consisting of an even number of prisms, wherein the first and the last free leg lateral sides of the line elements located in parallel planes or in one plane are directed correspondingly to the matrixes of M monochrome, three-colored or multi-colored optical lighters and to the matrix of M monochrome, three-colored or multi-colored visualizers correspondingly.
- 12. The device according to claim 11, wherein the perception device is made in the form of a transparent or mat, or photosensitive, or thermosensitive material and is arranged after the matrix of visualizers on the optical axis.
- 13. The device according to claim 10, wherein the lengthy light source is designed in the form of an optical fiber or a matrix of optical fibers, by one side connected to a monochrome or polychrome laser light source of information and optically conjugated with the prism which is met first on the way of the light transmission by the other side, while each optical fiber is optically conjugated to one or several pixels of each line modulator, and the prism last met on the way of light transmission is conjugated to one visualizer or a matrix of visualizers, wherein the opaque visualizing diaphragm contains one hole or a matrix of holes with an aperture transmitting the zero order of

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light diffraction, while the objective is located on the optical axis after that hole or a matrix of holes on a distance less than focal one, and the objective focuses light on the output optical fiber connected on the other side to the perception device of the light information, and the signal voltage is applied to all line modulators synchronously, or in a three-phase time mode, or in a multiphase time mode, said voltage is sufficient for creation of the optimum depth of the phase modulation equal to 4.82 radian, and the perception device is electrically connected to the optical lighter.

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14. The device according to claim 10, wherein the lengthy light source is designed in the form of an optical fiber or a matrix of optical fibers, by one side connected to a monochrome or polychrome laser light source of information and optically conjugated with the prism which is met first on the way of the light transmission by the other side, while each optical fiber has an optical contact with one or several pixels of each line modulator, and the prism last met on the way of light transmission is conjugated to one visualizer or a matrix of visualizers, wherein the opaque visualizing diaphragm contains one hole or a matrix of holes with an aperture transmitting radiation of first and/or another higher order of light diffraction, controlled by pixel electrodes, while the visualizer for each line modulator is designed in such a manner that the objective is located against a hole or a matrix of holes, and the objective focuses light on the output optical fiber connected on the other side to the perception device of the light information, and the signal voltage is applied to all line modulators synchronously, or in a three-phase time mode, or in a multiphase time mode sufficient for creation of the optimum depth of the phase modulation equal to 4.82 radian, and the registration device of the light information is electrically connected to the optical lighter.

15. The device according to claim 10, wherein the optical lighter is arranged at an angle less than 90 degrees and the perception device is arranged at an angle of 90 degrees to the leg lateral side of the prism of the

line element first met on the way of the light transmission, and the part of the visualizing diaphragm blocking light of zero order of diffraction is covered with a mirror and located in parallel to the leg lateral sides of the prism of the line element last met on the way of light transmission, while the second perception device or the light-absorbing device is located at the side of visualizing diaphragm that is not covered with the mirror.

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- 16. The device according to claim 10, wherein the combs' teeth of one or several line modulators in the line element are covered with the continuous thin dielectric mirror reflecting light of the corresponding wavelength, and one or all hypotenuse sides of prisms that do not contain line modulators (free sides) are covered with a mirror.
- 17. The device according to claims 15 or 16, wherein the last free leg. lateral side of the prism of the line modulator is covered with the mirror.
- 18. An electrooptical converter comprising red, green and blue optical lighters, the transparent support in the form of at least one plane-parallel plate or at least one prism of total internal reflection, one line modulator, at least one visualizer, the perception device, three control devices corresponding to red, green and blue optical lighters, the control devices electrically connected by the outputs to the color commutator connected by one output to the line modulator, and by three outputs - to three optical lighters sequentially switched on by it, and by the fifth output - to the means of scanning, while the line modulator comprises the transparent electroconducting layer applied to the transparent support, the electroconducting layer being covered with the transparent gel-like layer, and the system of i parallel ribbon control electrodes and ground electrodes, applied to the second support in one plane and located with a gap above the transparent gel-like layer, wherein the line modulator together with the transparent support forms the line element and each optical lighter consists of the lengthy light source and the lighting convertible lens sequentially located on the optical axis, while the light source

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is pulse or continuous, and the frequency of light pulse recurrence is equal to the line frequency of the image; the visualizer includes the Fourier-objective and the visualizing diaphragm sequentially located on the optical axis; while the collinear flux of radiation of all three colors falls perpendicularly and sequentially in time onto the line element, and the ribbon control electrodes are electrically connected to the periodic structure of the control teeth, and the ground electrodes are electrically connected to the periodic structure of the ground teeth, for each line pixel the teeth together with the electrodes look like two conducting combs isolated from each other, while the combs' teeth are located in parallel to the lengthy light sources, and the period of order for the pairs of control teeth and ground teeth λ_{teeth} is determined according to the relation: $\lambda_{\text{teeth}} \leq \sqrt{2} \lambda_{\text{light min}} / \alpha_{\text{div max}}$, where $\alpha_{\text{div max}}$ is the greatest divergence of radiation among red, green and blue colors and $\lambda_{light min}$ is the minimum length of the light wave, while the size of opaque visualizing diaphragm is determined according to the condition of overlapping of zero orders of all three colors, and the voltage on the control electrodes of the line modulator forms the necessary depth of the relief for each color, and the gel-like layer is made on the base of polyvinylsiloxane (CH₂=CH)₃SiO [(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes, oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes.

19. An electrooptical converter comprising at least one optical lighter, one transparent support or M transparent supports, each in the form of at least one plane-parallel plate, at least one line modulator, at least one visualizer, the perception device, and further comprises at least one control device, wherein each line modulator comprises the transparent electroconducting layer applied to the corresponding transparent support, the electroconducting layer being covered with the transparent gel-like layer, and the system of i parallel ribbon control electrodes and ground electrodes, applied in one plane to the

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second support corresponding to each line modulator and located with the gap above the transparent gel-like layer and electrically connected with the control device, wherein each transparent support together with corresponding at least one modulator forms the line element; while the optical lighter consists of the lengthy light source and the lighting convertible lens sequentially located on the optical axis, and the visualizer includes the Fourier-objective and the visualizing diaphragm sequentially located on the optical axis; the light source is pulse or continuous, and the frequency of light pulse recurrence is equal to the line frequency of the image; the optical lighter is arranged in such a way that the radiation from it is directed to the plane-parallel plate, to the transparent electroconducting layer, to the transparent gel-like layer, to the air gap at an angle less than 90 degrees, while the ribbon control electrodes are electrically connected to the periodic structure of the control teeth, and the ground electrodes are electrically connected to the periodic structure of the ground teeth, for each line pixel the teeth together with the electrodes look like two conducting combs isolated from each other, while the combs' teeth are located in parallel to the lengthy light source and are covered with a continuous thin dielectric mirror reflecting light of the corresponding wavelength, and the period of order for the pairs of control teeth and ground teeth λ_{teeth} is determined according to the relation: $\lambda_{\text{teeth}} \leq \sqrt{2} \lambda_{\text{light min}} / \alpha_{\text{div max}}$ where λ_{light} is a wavelength of the lengthy light source and α_{div} (in radians) is a divergence of the radiation of the light source in a direction perpendicular to the combs' teeth, and the gel-like layer is made on the base of polyvinylsiloxane (CH₂=CH)₃SiO [(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes, oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes.

20. The gel-like layer for the electrooptical converter, wherein it is a product of the reaction of the components of the gel-like composition which

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includes polyvinylsiloxane ($CH_2=CH$) $_3SiO[(CH_3)_2SiO]_mSi(CH=CH_2)_3$ with the molecular mass of 10000-16000 and viscosity of 800-1000 centistokes, oligohydridesiloxane (CH_3) $_3SiO[(CH_3)_2SiO][CH_3SiO(H)]]Si(CH_3)_3$ as a crosslinking agent, with hydride groups content of 10-15 % and viscosity of 50-100 centistokes, polymethylsiloxane fluid (CH_3) $_3SiO[(CH_3)_2SiO]Si(CH_3)_3$ as a plasticizer with viscosity of 5-20 centistokes, 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane as a catalyst of hardening, in the following proportion (mass parts): polyvinylsiloxane - 100, oligohydridesiloxane - 15-25, polymethylsiloxane fluid - 150-300, 0.1% solution of chloroplatinic acid in the organic solvent or its complex with tetravinylsilane - 0.3-2.

- 21. The method of preparation of the gel-like layer for the electrooptical converter comprising mixing of 100 mass parts of polyvinylsiloxane (CH₂=CH)₃SiO[(CH₃)₂SiO]_mSi(CH=CH₂)₃ with a molecular mass of 10000-16000 and viscosity of 800-1000 centistokes with 15-25 mass parts of oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes and adding 150-300 mass parts of polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ with viscosity of 5-20 centistokes after the end of mixing, then after the repeated mixing 0.3-2 mass parts of 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane is added, the resulting composition is mixed and applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing.
- 22. The method according to claim 21, wherein the composition is applied to the electroconducting transparent layer on the expiry of 1-20 min after the end of mixing.
- 23. The method according to claim 21, wherein the resulting composition is applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing in the following way: by forming,

cross-linking and cooling of the first layer, then by applying of one or some of additional gel layers on the first or the previous cross-linked and cooled gel layer.

24. The method of preparation of the gel-like layer for the electrooptical converter comprising mixing of 100 mass parts of polyvinylsiloxane (CH₂=CH)₃SiO[(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes with 15-25 mass parts of oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes, adding of 150-300 mass parts of polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ with viscosity of 5-20 centistokes after the end of mixing, after the repeated mixing 0.3-2 mass parts of 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane is added, then the resulting composition is mixed and applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing, after that the obtained layer is covered with an additional plate with an optical flat surface, and the thickness of the transparent gel-like layer is flattened by the main spacers, arranged between the transparent electroconducting layer and the additional plate, then the obtained construction is placed into the oven and kept at the temperature of 70-90°C for about 2-4 hours, then the additional plate is separated, and the gel-like layer is covered with the second support with the control electrodes and the ground electrodes applied to it, the electrodes being covered with the thin protective dielectric layer, while the gap is assigned by the additional spacers, which are bigger than the main ones.

25. The method according to claim 24, wherein the resulting composition is applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing in the following way: by forming, cross-linking and cooling of the first layer, then by applying of one or some of

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additional gel layers on the first or the previous cross-linked and cooled gel layer.

- 26. The method according to claim 24, wherein the additional plate is covered with an antiadhesive layer.
- 27. The method according to claim 26, wherein a surface-active substance, such as sulfanol- π , is used as the antiadhesive layer.

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- 28. The method according to claim 24, wherein the additional plate is treated with plasma or another clearing irradiation.
- 29. The method of preparation of the gel-like layer for the electrooptical converter comprising mixing of 100 mass parts of polyvinylsiloxane (CH₂=CH)₃SiO[(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes with 15-25 mass parts of oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes, adding of 150-300 mass parts of polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ with viscosity of 5-20 centistokes after the end of mixing, after the repeated mixing 0.3-2 mass parts of 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane is added, then the resulting composition is mixed and applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing, after that the obtained layer is covered with an additional plate with an optical flat surface, and the thickness of the transparent gel-like layer is flattened by the main spacers, arranged between the transparent electroconducting layer and the additional plate, then the obtained construction is placed into the oven and kept at the temperature of 70-90°C for about 1-2 hours, then it is cooled down to ambient temperature, after that the additional plate is separated, then the gel-like layer located on the transparent electroconducting layer is again placed into the oven and kept at the temperature of 70-90°C up to complete cross-linking of the gel for about 1-3 hours.

- 30. The method according to claim 29, wherein the resulting composition is applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing in the following way: by forming, cross-linking and cooling of the first layer, then by applying of one or some of additional gel layers on the first or the previous cross-linked and cooled gel layer.
- 31. The method according to claim 29, wherein the additional plate is covered with an antiadhesive layer.
- 32. The method according to claim 31, wherein a surface-active substance, such as sulfanol- π , is used as the antiadhesive layer.

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- 33. The method according to claim 29, wherein the additional plate is treated with plasma or another clearing irradiation.
- 34. The method of preparation of the gel-like layer for the electrooptical converter comprising mixing of 100 mass parts of polyvinylsiloxane (CH₂=CH)₃SiO[(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes with 15-25 mass parts of oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes, adding of 150-300 mass parts of polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ with viscosity of 5-20 centistokes after the end of mixing, after the repeated mixing 0.3-2 mass parts of 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane is added, then the resulting composition is mixed and applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing, after that the obtained layer is covered with an additional plate with an optical flat surface, and the thickness of the transparent gel-like layer is flattened by the main spacers, arranged between the transparent electroconducting layer and the additional plate, then the obtained construction is placed into the oven and kept at the temperature of 70-90°C for about 2-4 hours, then the additional plate is separated, and the

gel-like layer is covered with the second support with the control electrodes and the ground electrodes applied to it, the electrodes being covered with the thin protective dielectric layer, while the gap is assigned by the main spacers after complete cross-linking, contraction and cooling of the gel down to ambient temperature.

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- 35. The method according to claim 34, wherein the resulting composition is applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing in the following way: by forming, cross-linking and cooling of the first layer, then by applying of one or some of additional gel layers on the first or the previous cross-linked and cooled gel layer.
- 36. The method according to claim 34, wherein the additional plate is covered with an antiadhesive layer.
- 37. The method according to claim 36, wherein a surface-active substance, such as sulfanol- π , is used as the antiadhesive layer.
- 38. The method according to claim 34, wherein the additional plate is treated with plasma or another clearing irradiation.
- 39. The method of preparation of the gel-like layer for the electrooptical converter comprising mixing of 100 mass parts of polyvinylsiloxane (CH₂=CH)₃SiO[(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes with 15-25 mass parts of oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ with hydride groups content of 10-15% and viscosity of 50-100 centistokes, adding of 150-300 mass parts of polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ with viscosity of 5-20 centistokes after the end of mixing, after the repeated mixing 0.3-2 mass parts of 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane is added, then the resulting composition is mixed and applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing, after that the obtained layer is

-72-

covered with an additional plate with an optical flat surface, and the thickness of the transparent gel-like layer is flattened by the main spacers, arranged between the transparent electroconducting layer and the additional plate, then the obtained construction is placed into the oven and kept at the temperature of 70-90°C for about 1-2 hours, then it is cooled down to ambient temperature, after that the additional plate is separated, then the gel-like layer located on the transparent electroconducting layer is again placed into the oven and kept at the temperature of 70-90°C up to complete cross-linking of the gel for about 1-3 hours, while the gap is assigned by the main spacers after complete cross-linking, contraction and cooling of the gel down to ambient temperature.

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- 40. The method according to claim 39, wherein the resulting composition is applied to the electroconducting transparent layer as a layer of a uniform thickness after the end of mixing in the following way: by forming, cross-linking and cooling of the first layer, then by applying of one or some of additional gel layers on the first or the previous cross-linked and cooled gel layer.
- 41. The method according to claim 39, wherein the additional plate is covered with an antiadhesive layer.
- 42. The method according to claim 41, wherein a surface-active substance, such as sulfanol- π , is used as the antiadhesive layer.
 - 43. The method according to claim 39, wherein the additional plate is treated with plasma or another clearing irradiation.
- 44. The composition for the realization of the method of preparation of the gel-like layer for the electrooptical converters includes polyvinylsiloxane (CH₂=CH)₃SiO [(CH₃)₂SiO]_mSi(CH=CH₂)₃ with molecular mass of 10000-16000 and viscosity of 800-1000 centistokes, oligohydridesiloxane (CH₃)₃SiO{[(CH₃)₂SiO][CH₃SiO(H)]}Si(CH₃)₃ as a cross-linking agent with hydride groups content of 10-15% and viscosity of 50-100 centistokes, polymethylsiloxane fluid (CH₃)₃SiO[(CH₃)₂SiO]Si(CH₃)₃ as a plasticizer with

viscosity of 5-20 centistokes, 0.1% solution of chloroplatinic acid in an organic solvent or its complex with tetravinylsilane as a catalyst of hardening with the following ratio of the mixture's components (mass parts): polyvinylsiloxane – 100, oligohydridesiloxane – 15-25, polymethylsiloxane fluid – 150-300, 0.1% solution of chloroplatinic acid in the organic solvent or its complex with tetravinylsilane – 0.3-2.